

e-motion

HD Ready LCD TV with Freeview & USB Media Player

User Guide



Model No
X216-69E-GB-TCU-UK

IMPORTANT SAFETY INSTRUCTIONS



Please read these instructions. All the safety and operating instructions should be read before the appliance is operated.

Warnings

- To reduce the risk of fire, electric shock or damage to the television, do not expose it to dust, rain or moisture, or place any objects filled with liquids on or near the television.
- Do not place the television in a confined space, ensure that nothing can obstruct the ventilation openings at the rear of the television.
- Do not place naked flames on or near the television.
- Dispose of this television and any components including batteries in an environmentally friendly manner. If in doubt, please contact your local authority for details of recycling.

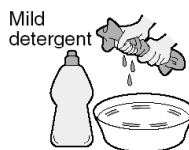
Safety

- For your safety, this appliance is fitted with a fused moulded 3 pin mains plug. Should the fuse need to be replaced, ensure that any replacement is of the same amperage and approved with the BSI mark.
- Never try and replace the mains plug unless you have adequate qualifications and are legally authorised to do so. In the event that a replacement Mains cable is required, contact the manufacturer for a suitable replacement.
- Never use the television if it is damaged in any way.
- Always place the television on a flat level surface avoiding anywhere which may be subject to strong vibration.
- Ensure the television is not placed on top of the power cable as the weight of the television may damage the cable and cause a safety hazard.
- Never place mobile phones, speakers or any other device which may cause magnetic or radio interference with the television. If interference is apparent, move the device causing the interference away from the television.

Maintenance

- To clean this unit, wipe with a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth dipped in a soap and water solution or a weak detergent solution.
- Use eyeglass cleaner to remove stubborn dirt from the LCD/LED Screen.
- Never use alcohol, paint thinner or benzene to clean this unit.
- Before using a chemically treated cloth, read the instructions that came with the cloth carefully.

CAUTION: If water or other liquid enters the television through the display panel surface, a malfunction may occur.



Packaging

- The safest way to transport your item is in the original box/packaging - please save your packaging for this.
- You will need original box/packaging in the event of warranty/service repair or support. We are unable to carry out warranty/service if you are unable to package it correctly.

IMPORTANT SAFETY INSTRUCTIONS



Please read these instructions. All the safety and operating instructions should be read before the appliance is operated.

Important Information Regarding Use of Video Games, Computers, Captions or Other Fixed Image Displays

The extended use of fixed image program material can cause a permanent "shadow image" on the LCD panel.

This background image is viewable on normal programs in the form of a stationary fixed image. This type of irreversible LCD/LED panel deterioration can be limited by observing the following steps:

1. Reduce the brightness/contrast setting to a minimum viewing level.
2. Do not display the fixed image for extended periods of time.
3. Turn the power off when not in actual use.

Examples of images that you need to watch out for are as follows (this is not an exhaustive list):

- TV Channel Logos: e.g. Shopping channel logos and pricing displays-especially if they are bright and stationary. Moving or low-contrast graphics are less likely to cause ageing of the screen.
- Time Displays
- Teletext: Do not view a stationary page for long period of time
- TV/DVD Menus: e.g. Listings of DVD disk content
- Pause Mode: Do not leave the TV in pause mode for long periods of time, e.g. When watching DVDs or videos.

Important - Once 'shadow image/screen burn' occurs, it will never disappear and is not repairable under warranty.

How do I dispose of this product?

UK: Waste electrical products should not be disposed of with household waste. Separate disposal facilities exist. For your nearest facilities, please see www.recycle-more.co.uk or in store for details.

ROI: Waste electrical products should not be disposed of with household waste. Separate disposal facilities exist. Check with your Local Authority or retailer for recycling advice.

Batteries

- Observe the correct polarity when inserting batteries.
 - Do not use different types of batteries together or mix old and new batteries.
 - Dispose of batteries in an environmentally friendly way.
 - Certain regions may regulate the disposal of batteries.
- Please consult your local authority.



CONTENTS

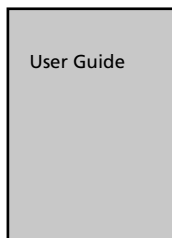
Manufacturers Guarantee Information	3
Important Safety Instructions	4-5
What is included in the box	8
Attaching / detaching the stand and wall mounting	9
Getting Started - Initial Set Up	11
TV Buttons and Input Source Menu	12
Remote Control	13
Connections	14-15
TV Menu Operation	16-21
Picture Menu	16
Sound Menu	17
Channel Menu	18
Feature Menu	19
Setup Menu	21
PC Operation	22-23
Using the television as a computer monitor	22
PC Settings Menu	23
USB Media Player / 7 Day TV Guide	24-25
7 Day TV Guide	24
USB Mode / Media Player	25
General Information	26-30
Using with Sky Digital/Virgin Media	26
Frequently Asked Questions	27
Technical Specifications	28
Index	29
Digital Switchover	29-30

WHAT IS INCLUDED IN THE BOX

Accessories

Included with this TV are the following accessories:

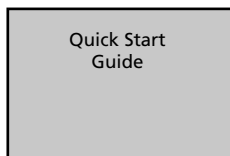
1 x User Guide



1 x Remote Control



1 x Quick Start Guide



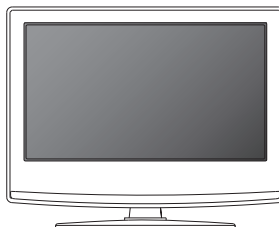
2 x AAA Batteries



1 x Stand



1 x TV



1 x RF Cable

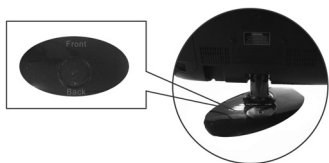


Please save your packaging as you will need this in the event of warranty/service repair or support. We are unable to carry out warranty/service if you are unable to package it correctly. The safest way to package your item in the event of warranty/service repair is in its original box/packaging.

ATTACHING/DETACHING THE STAND

Attaching the Stand

1) Insert the TV into the stand at 45 degrees



2) Twist the TV into the CLOSE position until it clicks into place



Detaching the Stand

1) To remove the base, press close and rotate 45 degrees.

2) Remove the 3 screws highlighted



3) Remove the screw/s in the neck of the stand (where fitted)

IMPORTANT - Before drilling any holes in the wall ensure you are not drilling where there could be any electric wires, water or gas pipes.

Wall mounting the TV

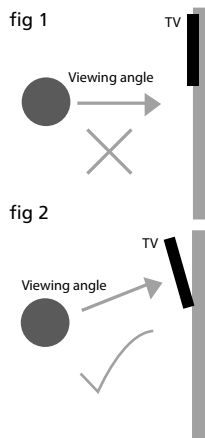
1) Remove the four screws highlighted below.

2) The wall mount can now be easily attached to the mounting holes on the rear of the TV. These holes are indicated in the picture below.



For optimum viewing, if wall mounting the TV higher than eye level, the TV should be tilted downwards so that the TV's screen is 'face on'. See fig 1 and 2

Important – If wall mounting this TV, only use the screws already provided in the wall mounting holes. Using other screws which are longer could cause irreparable damage to internal parts.



GETTING STARTED - INITIAL SET UP

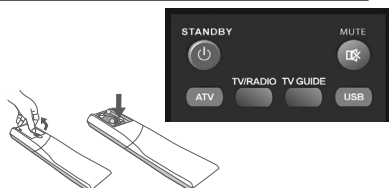
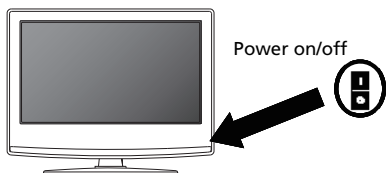
1) Using the RF cable supplied, connect the TV to the TV Aerial wall socket (Fig A)

2) Connect the power cable to the Electrical outlet (Fig B)



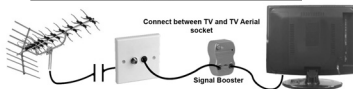
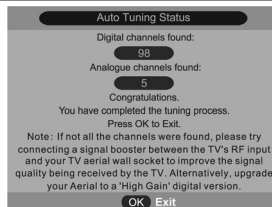
3) Switch on the television using the power on/off switch located on the rear of the TV.

4) Insert the batteries supplied into the Remote control and press the Standby button to power on the TV



5) You will now be welcomed with the initial set-up screen. If it does not appear, on the remote control, please press [MENU] then 8-8-8-8 and the menu will appear. Press OK on the remote control and tuning will start.

6) After tuning the following screen will appear.



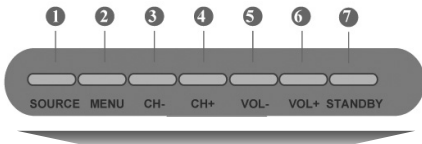
If you are missing channels, the reason for this is likely to be signal strength, you should consider connecting signal booster and re-tuning the TV.

Tip: If the TV finds some, but not all, of the Digital channels, the TV is functioning correctly but the signal being received is not strong enough. The signal strength needs to be above 85% - you can see the signal strength the TV is receiving when you change channels/programmes you will need to increase the signal reception in order to receive all of the channels available. The most economical way to do this is by purchasing and connecting a 'signal booster' in between the TV and the TV aerial socket. If this does not solve the problem, you will need to upgrade the TV aerial to a digital hi-gain compatible aerial.

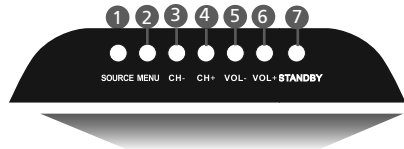
TV BUTTONS & SOURCE MENU

- 1 Displays the input source menu
- 2 Displays Menu/OSD
- 3 Programme/Channel down and menu down
- 4 Programme/Channel up and menu up
- 5 Volume down and menu left
- 6 Volume up and menu right
- 7 Standby Power On/Off

18.5" - 21.6" screens



23" screens



Choosing Mode Input/Source

To switch between the different input/connections.

A) Using the buttons on the remote control:

- 1) Press [SOURCE/ AV] - The source menu will appear
- 2) Press [V] or [A] to select the input you require.
- 3) Press [OK]

B) Using the buttons on the Television:

- 1) Press [SOURCE]
- 2) Scroll up / down using CH+ / CH- buttons to the input/source you require
- 3) Press Vol+ to change input/source to the one selected.

SOURCE MENU

ANALOGUE

FREEVIEW

USB MEDIA

HDMI

SCART

COMPONENT

VIDEO

VGA/PC

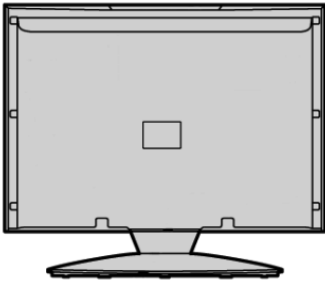
REMOTE CONTROL

- 1 **STANDBY** - Switch on TV when in standby or vice versa
MUTE - Mute the sound or vice versa
TV/RADIO - Switch to Freeview and switch between TV and radio in Freeview mode
TV GUIDE - Opens the 7 Day TV Guide (Freeview mode)
ATV - Switch to analogue TV source
USB - Switch to USB Source
- 2 **S.MODE** - Scrolls through sound mode options
P.MODE - Scrolls through picture mode options
 - ⏮ - To restart the current chapter
 - ⏭ - To advance forward to the next chapter
 - ⏸ - To stop the playback
 - ⏮ - To play in fast rewind mode
 - ⏭ - To play in fast forward mode
 - ⏸ - To play/pause

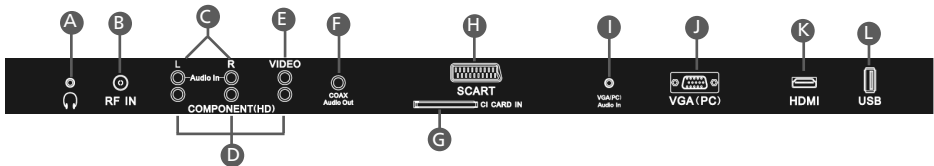
Only operate when a USB key is inserted
- 3 **SOURCE/AV** - To display the input/source menu
INFO - Press once for now/next channel information
 Press twice for programme information about current programme
(▲/▼/◀/▶/OK) - Allows you to navigate the on-screen menus and adjust the system settings to your preference
MENU - To display OSD menu
EXIT - To exit all menus
NUMBER BUTTONS - 0 – 9 to select a TV channel directly.
↶ - To return to the previous channel viewed
FAV - To display favourites menu
- 4 **VOL ▲/▼** - To increase / decrease the sound level
SUBTITLE - To switch the dialogue at the bottom of the screen (on/off)
ASPECT - To switch the screen between the different picture formats
AUDIO - To change the audio language (if available)
SLEEP - Press repeatedly to cycle through the sleep options
CH ▲/▼ To increase or decrease the channel being watched
- 5 **TEXT** - Teletext mode - To enter Teletext
INDEX - Teletext mode - To display the index page
REVEAL - Teletext mode - To reveal or hide the hidden words.
DISPLAY - To switch off the screen when listening to radio
SIZE - Teletext mode - To change the display size in Teletext mode
HOLD - Teletext mode - Hold current page which is displayed



CONNECTIONS

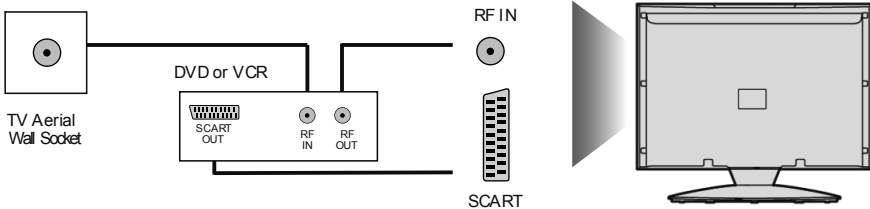


A	HEADPHONES	3.5mm Headphone output
B	RF IN	RF / TV Aerial Input
C	AUDIO IN (R/L)	Component / Video audio input
D	Component HD	Component HD Input
E	VIDEO	Video input
F	COAX Audio Out	Digital Coax output
G	CI CARD IN	Common Interface Card Input
H	SCART	SCART input
I	VGA(PC) Audio In	3.5mm PC audio input
J	VGA(PC)	VGA-PC input
K	HDMI	HDMI input
L	USB	USB port



Connecting a DVD Player/Recorder, Video Recorder or Cable/Satellite Box

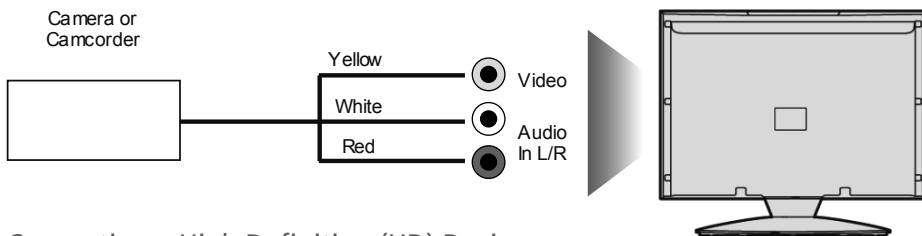
TVs Input/Source should be set to SCART



CONNECTIONS

Connecting a Camcorder, Camera or Games Console

Source should be set to Video

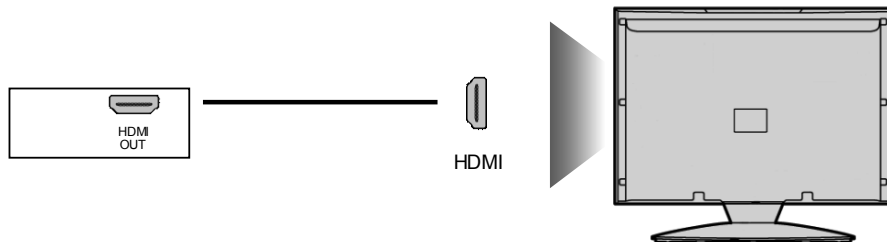


Connecting a High Definition (HD) Device

Option 1 - via HDMI to HDMI cable

A HDMI cable can output both video and audio and enables you to enjoy digital-quality video and audio with minimal loss of quality.

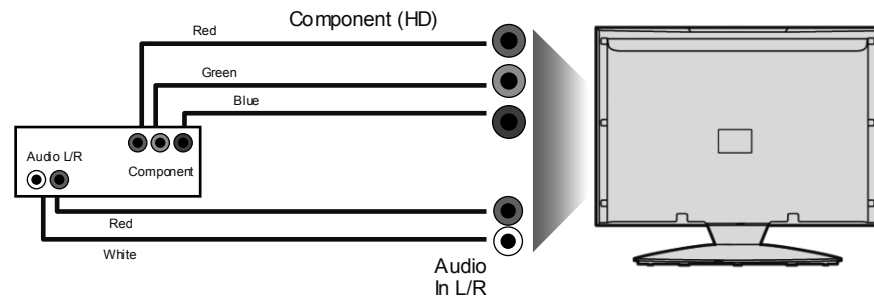
TVs Input/Source should be set to HDMI.



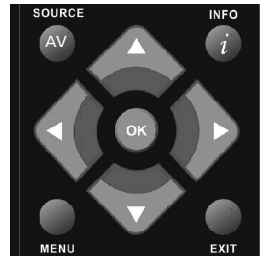
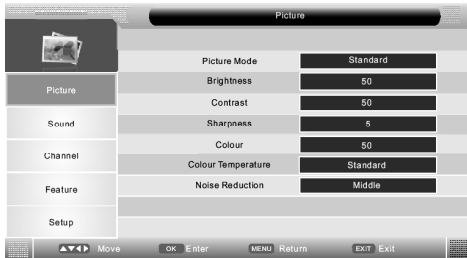
Option 2 - via Component cable

If you are supplied with a cable from the device which has RED, GREEN, BLUE, RED & WHITE connectors you must connect via Component (for picture) and by phono cable (for sound).

TV Source should be set to Component.



PICTURE MENU



To access this menu, press [MENU] button on the remote control.

If you wish to make changes to any of the default settings, use the scroll ▲▼►◄ buttons. To confirm any settings press [OK] button.

To exit this menu at anytime, press [EXIT] button.

Picture Mode - Choose from the following presets

Standard	Default settings
Personal	Lets you manually alter all the settings
Movie	Recommended settings when watching a movie
Sport	Recommended settings when watching sport
Mild	Set to be lighter in colour and less bright
Game	Recommended settings when playing game consoles

Brightness - Increase or decrease the brightness of the picture

Contrast - Switch the balance between black and white

Sharpness - Increase or decrease the sharpness of the picture

Colour - Increases the colour from black and white

Colour Temperature - Choose from the following presets

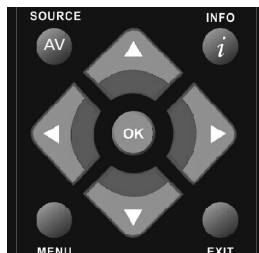
Standard	Default settings
Warm	Increases red within the picture
Cool	Increases blue within the picture

Noise Reduction - Choose from the following presets


Low	Minimum reduction in interference
Middle	Medium reduction in interference
High	Maximum reduction in interference
Off	Off

Tip: If you do not press any buttons for 10 seconds, the menu will automatically exit. You can change the length of time before the menu exits automatically - see 'OSD Timer' section.

SOUND MENU



To access this menu, press [MENU] button on the remote control.

If you wish to make changes to any of the default settings, use the scroll  buttons. To confirm any settings press [OK] button.

To exit this menu at anytime, press [EXIT] button.

Sound Mode - Choose from the following presets

Personal	Selects your personal sound settings
Voice	Emphasises voice over other sounds
Music	Emphasises music over voices
Theatre	Provides live and full sound for movies
Standard	Default settings

Tip: Treble and bass levels can only be adjusted when the sound mode 'Personal' is selected.

Bass - To adjust the amount of low frequency within the sound

Treble - To adjust the amount of high frequency within the sound

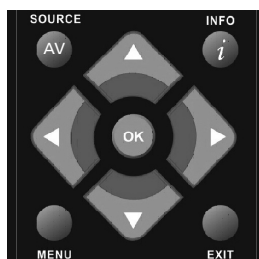
Balance - To switch the sound between the left and right speakers

Auto Volume Level (AVL) - When 'on' is selected, the volume will stay at a constant level regardless of input/source


Digital Output - This is the digital COAX Audio output. Choose from the following options:

Off	Off
Bitstream	Select this option if you are connecting to a Dolby Digital 5.1 surround sounds amplifier via coax cable (True digital signal)
PCM	Select this option if you are connecting to a Stereo Hi-fi via coax cable (Pulse-code modulation (PCM) is a digital representation of an analogue signal)

CHANNEL MENU



To access this menu, press [MENU] button on the remote control.

If you wish to make changes to any of the default settings, use the scroll  buttons. To confirm any settings press [OK] button.

To exit this menu at anytime, press [EXIT] button.

Channel Manager - Allows you to lock channels, delete channels, add/remove channel skip, move channel position and rename channels.

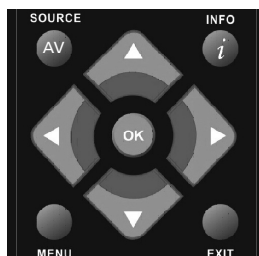
Favourite Manager - Add and remove favourites. Up to 4 favourite lists are available

Auto Search - You can select the country and then complete re-tune of the television


Manual Search - Select the start channel (which relates to the frequency) and search manually for a channel.

Note - This only searches for channels in the current source. i.e. Freeview channels on Freeview source

FEATURE MENU



To access this menu, press [MENU] button on the remote control.

If you wish to make changes to any of the default settings, use the scroll  buttons. To confirm any settings press [OK] button.

To exit this menu at anytime, press [EXIT] button.

System Lock - This menu allows you to lock certain features of the television so that they cannot be used or viewed. For example if you don't want certain channels viewed by children or if the television is to be used in a hotel and you want to limit the volume.

When you enter the system lock menu you will be asked for a pin code. As default it is 0000.

You now have the choice to lock any of the following:

System Lock - Switches all the locks on or off

Key Lock - Stops the buttons on the television working

Source Lock - Press [OK] to enter then apply On to lock the source so it can't be used

Channel Lock - Press [OK] to enter then apply locks to channels you wish to block. This will lock the channels of the source you using, i.e. Analogue, Freeview.

Default Source - You can set the default start up source, so when the television is turned on it goes to this source, i.e. FREEVIEW, SCART, HDMI etc

Default Channel - You can set the default start up channel, so when the television is turned on it goes to this channel.

Maximum Volume - You can limit the maximum volume

Change Pin Code - Press [OK] to enter, first enter the current code, then enter your new code and confirm your new code. Write the new code here so you don't forget it _____

Language - Lets you adjust the different language options available

Programme Schedule - Lets you manually set reminders by date, time and number of occasions.

Clock - Allows you to set the clock (as default the information is taken automatically from the digital TV signal)

Hearing Impaired - You can switch on the hearing impaired feature, this provides additional information and subtitles

Sleep Timer - Lets you set the sleep timer so the television automatically switches off after a certain amount of time

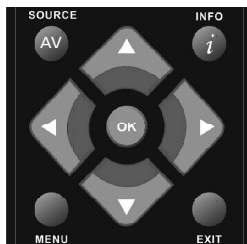
Common Interface - Pay per view services require a "smartcard" to be inserted into the TV.

If you subscribe to a pay per view service the provider will issue you with a 'CAM' and a "smartcard". The CAM can then be inserted into the COMMON INTERFACE PORT (CI Card In).



CAM and smartcard

SETUP MENU



To access this menu, press [MENU] button on the remote control.

If you wish to make changes to any of the default settings, use the scroll ▲▼►◄ buttons.

To confirm any settings press [OK] button.

To exit this menu at anytime, press [EXIT] button.

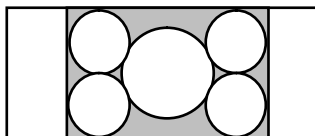
OSD Timer - Lets you adjust the amount of time the On Screen Menu stays on the screen before disappearing
First Time Installation - Takes you back to the first time installation screen, so you can completely re-tune both Freeview and analogue

Aspect Ratio - Within the UK the picture format varies depending on the channel/broadcast. There are a number of different options to best meet your needs

Auto

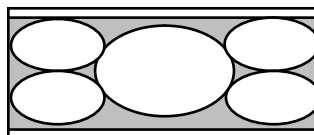
Automatically displays the best picture format. So the picture is in the correct position. May have black lines At the top/bottom and/or sides.

4:3



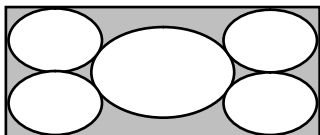
Displays the 4:3 picture in its original size. Side bars are shown to fill the 16:10 screen

16:9



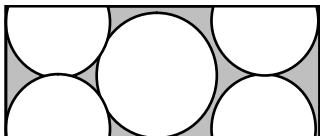
Top and bottom bars are shown to fill the 16:10 screen. 4:3 pictures will be stretched

Full



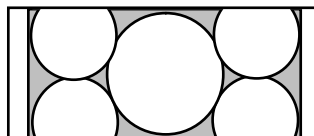
Fills the screen, so no black lines

Zoom



The picture is the correct proportion but zoomed in to fill the screen

14:9



Displays the 14:9 picture in the correct proportion. As a result side bars are shown on the screen

Blue Screen - Changes the background when there is no input between clear and a blue background (Only available on some sources)

Reset to default

Reset Menu System - This resets the menus to factory settings.

Reset TV Channels - This clears all the TV channels from the television.

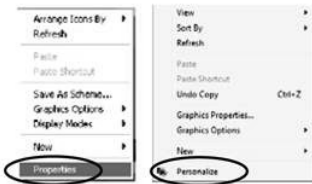
Firmware Upgrade - From time to time we may release new firmware to improve the operation of the television (available to download). This menu lets you install the new software/firmware onto the television. Further details of how to do this will be issued with the firmware. Contact the helpline or refer to the 'product support' section of the website.

USING THE TELEVISION AS A COMPUTER MONITOR

IMPORTANT – Before connecting the computer to the television you must ensure the computer settings are correct for the television. You **MUST** do this using your old monitor.

How to set up for Windows XP & Windows Vista (connecting via VGA cable to the TV)

- 1) Switch on your computer
- 2) When finished booting up right click your mouse anywhere on the screen
- 3) Left click your mouse on Properties/Personalise



XP Screen

VISTA Screen



XP Screen

VISTA Screen

- 4) Left click your mouse on Setting/Display Settings. Ensure the screen resolution is set to what is shown in the technical specifications section toward the rear of this user guide. To correct the resolution to that of the television move the slider.



XP Screen

VISTA Screen



XP Screen

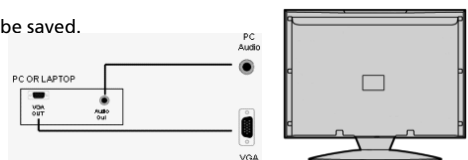
VISTA Screen

- 6) Left click on the drop down for Screen refresh rate and select 60 Hertz, if you experience picture noise or 'flickering', select 50 hertz or 70 hertz.

- 7) Click on Apply, then click Yes and the settings will be saved.

- 8) Now switch off your computer and connect the television (as shown)

- 9) Switch on the TV, select the input/source to VGA/PC and re-start your PC.



Connecting a Laptop

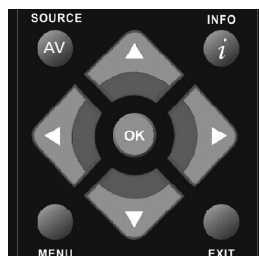
In addition to the above if you are connecting a laptop to the television you will also need to activate the VGA connection on the laptop. This can vary based on the brand of laptop you have, on many brands/models, it is as per below.

- 1) Connect the laptop to the television

- 2) On the Laptop push buttons
The screen will now switch to the television.



PC SETUP MENU



To access this menu, press [MENU] button on the remote control.

If you wish to make changes to any of the default settings, use the scroll **▲▼▶◀** buttons. To confirm any settings press [OK] button.

To exit this menu at anytime, press [EXIT] button.

Auto Adjust - Lets you automatically configure the television to be used as a computer monitor

Horizontal Position - Changes the horizontal position of the picture

Vertical Position - Changes the vertical position of the picture

Phase - To adjust delay time of phase in order to reduce the noise of picture

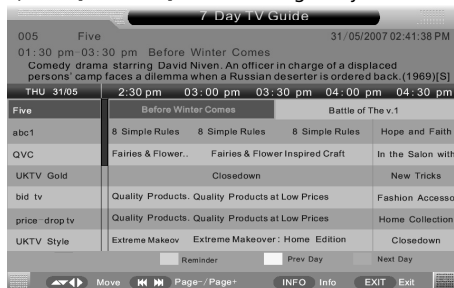
Clock - Alter this in order to reduce the noise within the picture

Tip: If the computer is left in-active for a period of time, the television will switch into a 'sleep' state (the screen will power off to save power). To switch back on press the standby button.

7 DAY TV GUIDE

TV Guide is available in Digital TV mode. It provides information about forthcoming programmes (where supported by the freeview channel). You can view the start and end time of all programmes and on all channels for the next 7 days and set reminders.

1) Press [TV GUIDE]. The following 7 Day TV Guide will appear.



2) Navigate through the menu using ▲▼▶◀

You can now:

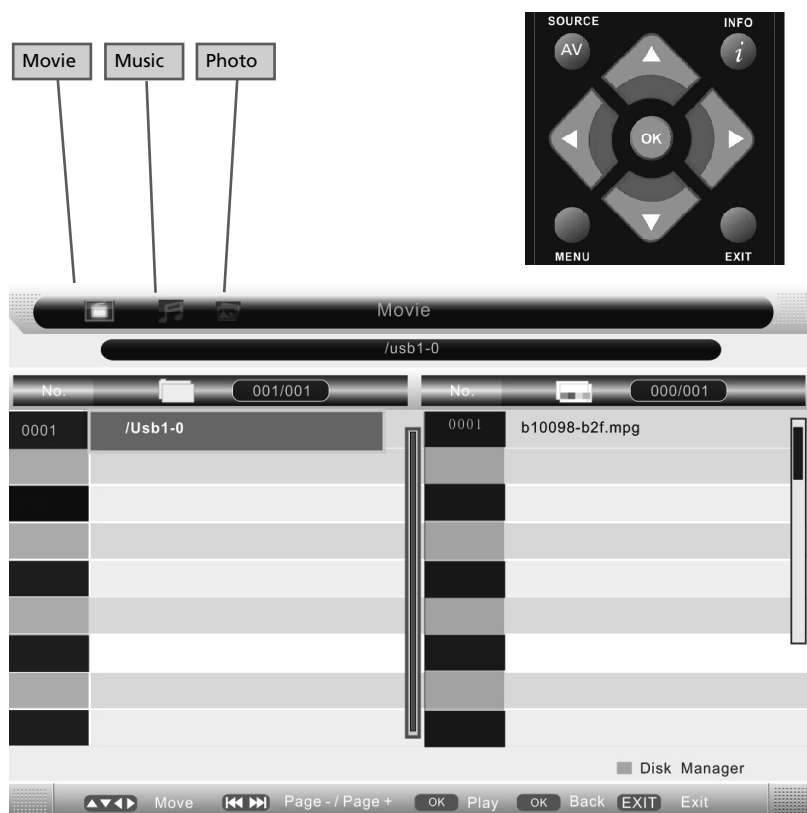
Set a reminder by pressing GREEN

View a previous day by pressing YELLOW

View the next day by pressing BLUE

3) Press [EXIT] to exit the 7 day TV Guide.

USB MODE / MEDIA PLAYER



USB mode offers playback of various different types of content that you have saved on your USB Memory Stick.

On switching to USB source the above menu screen will appear. The content will be divided into Movies, Music, Photos and Recorded Programmes based on file type.

You can navigate through the menus using the scroll ▲▼▶◀ buttons. To confirm the item you wish to play/view press [OK] button.

USING WITH SKY DIGITAL / VIRGIN MEDIA

You may wish to use your TV with Sky Digital, Virgin Media or another cable or Satellite box. There are a number of connection options, the best being connecting via SCART cable.

Connecting via SCART

- 1) Connect the SCART cable from the Cable/Satellite Box to SCART of the TV
- 2) Press [SOURCE]
- 3) Press [V] or [Λ] to select SCART
- 4) Press [OK]

The channel your Cable/Satellite box is displaying will now be shown on the TV.

Connecting via RF

You may wish to share your Sky Digital signal around the home by using an RF connection.

- 1) Connect the RF cable from the RF output socket of the sky/cable box to the 'RF IN' of the TV.
- 2) Switch the TV to analogue TV mode
- 3) Press [MENU] to enter menu
- 4) Press [V] twice to select Channel Menu
- 5) Press [→] to enter menu
- 6) Press [V] to select Auto Search
- 7) Press [OK] and then select Start

Once tuning is complete the first channel will appear. Press [CH+] to move through the channel until you find the Sky channel. The channel can then be moved if you wish, please refer to the Channel Menu, Channel Manager section of this user guide.

USING WITH SKY DIGITAL REMOTE CONTROL (BSKYB) OR UNIVERSAL REMOTE CONTROL

You may wish to use your Sky Digital or a universal remote control to operate some of the functions of this TV. For this you require a 'code' that needs to be programmed into your Sky Digital or universal remote control.

For codes for universal remote controls, please visit our website where you will find the very latest information and codes. For codes for Sky/Sky+/Sky HD, please note that at the point of manufacture, BSKyB have not launched the code required for this model of TV. They are due to launch a new remote control which should include the necessary code to operate the functions of the TV during 2010 (called revision 9).

Please check our website for updates, alternatively, see some alternative options of remote controls that are available.

The One for All remote controls shown on the right will operate all of the functions of the Sky box in the same way the original remote control will, in addition, they will also operate the functions of this model of TV. The One for All versions shown are only available to purchase from the helpline/website. When you order, we will need to know the model and serial number of your TV in order that we can include the necessary software/code for your particular TV.

The original Sky remotes are shown for comparison purposes only.



One for All

Sky Originals

FREQUENTLY ASKED QUESTIONS

General	I would like to have louder sound by connecting additional speakers	There are 2 options: 1) Use Digital COAX output connected to an external amplifier/surround sound system 2) Use the 3.5mm headphone output and a 3.5mm to phono cable (available separately) to connect to an amplifier/surround sound system
General	Why are some options in the menu unavailable and greyed out	Some options are only available in certain sources, i.e. HDMI, PC/VGA. They are unavailable in the other sources where they have no affect.
TV	I have tuned in Digital TV but I am not receiving any or all of the channels and/or the channels I receive are breaking up	1) Check you are in an area that can receive Freeview. Visit www.freeview.co.uk or call 08701 111 270. 2) Check you are using an aerial that is able to receive a good digital signal. In most cases, you will need an outdoor digital hi-gain/wideband aerial. In areas that have excellent Freeview coverage, you may be able to use a loft type aerial but it is highly likely that you will also need to connect a booster between the back of the TV and the TV aerial wall socket. Unfortunately, to receive a good enough digital signal, it is not possible to use a portable/indoor type aerial. This may change once the analogue signal is switched off in 2012 and the Digital signal strength is increased.
TV	I have re-tuned my television but when I switch it off it is not storing the channels	Complete a first time installation, please refer to the set-up menu section of the manual of how to do this
VCR/DVD Recorder	I have connected the TV to my VCR or DVD Recorder via SCART but it is not recording	In addition to connecting via SCART, you should connect the aerial cable from the wall socket to your VCR/DVD Recorder and another aerial cable from the VCR/DVD Recorder to the TV
Game Consoles	I have connected my PS3 to the TV via HDMI, but I am not receiving any pictures or sound on my Television	1) Ensure the TV's source is on HDMI 2) Check your settings on your PS3 are as per the PS3 instruction manual
Game Consoles	I have connected my Xbox 360 to the TV via Component Cables (Red, Green & Blue) but I am not receiving any sound	Component cables only provide HD Pictures. For the sound you will need to connect the Red & White audio cables on the Xbox to the Red & White phono inputs on the rear of the TV. Please refer to the 'Connections' pages.

TECHNICAL SPECIFICATION

Model	X185/69E-GB-TCU-UK	X216/69E-GB-TCU-UK	X23/69E-GB-FTCU-UK
Screen size (diagonal)	18.5" / 47cm	21.6" / 55cm	23" / 58cm
Resolution	1366 x 768	1366 x 768	1920 x 1080
Contrast Ratio	1000:1	1000:1	1000:1
Brightness cd/m2	250	350	300
PC RGB	Yes	Yes	Yes
RF	75 ohm Antenna / PAL-SECAM		
Video Inputs	1 x SCART, 1 x Video, 1 x Component (YPbPr - 1080i)		
Sound Inputs	1 x 3.5mm jack for PC audio input, 1 x pair RCA shared for Video & YPbPr (component) audio input		
Sound Outputs	1 x Coax Audio output, 1 x Headphone		
HDMI	1 (up to 1080i)	1 (up to 1080i)	1 (up to 1080p)
Watts (RMS)	2 x 3		
Voltage	110-240V 50/60Hz 48W less than 1W	110-240V 50/60Hz 60W less than 1W	110-240V 50/60Hz 72W less than 1W
Dimensions including stand (mm)	460W x380H x170D	531W x428H x200D	585W x432H x200D
Net weight (Kgs)	4.5	4.8	5.8

INDEX

Attaching the base/stand.....	9	Language	19
Aspect Ratio.....	21	Manual Search.....	18
Auto Configuration of screen (PC).....	23	Noise Reduction	16
Auto Volume Level	17	On Screen Display Timer	21
Auto Search	18	Phase (PC)	23
Balance	17	Picture Mode	16
Bass	17	Remote control	13
Blue Screen	21	Reset to default.....	21
Brightness	16	Sharpness	16
Channel Manager.....	18	Sleep Timer	19
Clock.....	19	Sound Mode	17
Clock (PC).....	23	Source Menu.....	12
Colour	16	System Lock	19
Colour Temperature	16	Technical Specifications	28
Common Interface	19	Treble	17
Connections.....	14-15	TV buttons	12
Contrast	16	TV Guide	24
Detaching the base/stand	9	USB Mode / Media Player	25
Digital Output	17	Using with Sky Digital / Virgin Media	26
Digital Switchover	29-30	Vertical Position (PC)	23
Favourites Manager.....	18	Wall mounting	9
Firmware Update	21	What is included in the box	8
First Time Installation	21		
Frequently Asked Questions.....	27		
Getting Started.....	11		
Hearing Impaired	19		
Horizontal Position (PC).....	23		

DIGITAL SWITCHOVER

Television in the UK is going digital, bringing us all more choice and new services. Starting late 2007 and ending in 2012, television services in the UK will go completely digital, TV region by TV region.

How the switchover affects your TV equipment.

Your new TV has a digital tuner built in, which means it is ready to receive the Freeview signal by simply connecting it into your aerial socket (you can check if you can get digital TV through your aerial now or whether you will have to wait until the switchover at www.digitaluk.co.uk)

When the TV switchover happens in your area, there are at least two occasions when you will need to re-tune your TV in order to continue receiving your existing TV channels and also to pick up new ones. Digital UK, the body leading the digital switchover, will advise you when you need to retune during the switchover.

How to retune.

Retuning your TV is a very quick and simple process. We recommend that you retune every few months to ensure you are receiving the very latest TV and radio channels that are broadcast.

1) On the remote control press [MENU] followed by 8 - 8 - 8 (so the number 8 button four times)

2) The First Time Installation menu will appear. Press [OK] and tuning will take place.

For help and support regarding the digital switchover, please contact Digital UK:

Telephone: 08456 50 50 50 (calls charged at local call rate, approx 3p per minute daytime or 1p per minute evenings from a BT landline)

Digital UK website: www.digitaluk.co.uk

When does switchover happen?

The exact date you switch depends on the transmitter you are served by. To check when you switch, go to Digital UK's postcode checker on www.digitaluk.co.uk

Check your ITV news service or look at Teletext page 106 to see what TV region you're in.



